

AMENDMENTS TO THE CLAIMS:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Cancelled)

38. (Cancelled)

39. (Cancelled)

40. (Cancelled)

41. (Cancelled)

42. (Cancelled)

④3. (Previously Presented) A database for routing telephone calls directed to on-line computer data services from an originating central office to a terminating central office, the database comprising:

a routing table comprising {a plurality of telephone numbers associated with dial-up access lines to on-line computer data services}, {a plurality point codes corresponding to a plurality of originating central offices}, and {a plurality of trunk route identifiers corresponding to a plurality of trunk routes for connecting the plurality of originating central offices with the terminating central office}; and

service logic to identify a trunk route for connecting the originating central office with the terminating central office,

wherein the plurality of trunk routes are dedicated to carrying only data traffic.

44. (Previously Presented) The database of claim 43, wherein the routing table is operative to identify the plurality of telephone numbers associated with dial-up access lines to on-line data services by a ten-digit NPA-NXX-XXXX.

45. (Previously Presented) The database of claim 43, wherein the service logic is operative to identify the trunk route by identifying a ten-digit NPA-NXX-XXXX telephone number associated with the trunk route to the terminating central office.

46. (Cancelled)

47. (Cancelled)

48. (Cancelled)

④9. (New) A network for routing telephone calls directed to on-line computer data services from an originating central office to a terminating central office, the network comprising:

a database in communication with the originating central office, the database including a routing table that includes: (i) a plurality of telephone numbers associated with dial-up access lines to on-line data services; and (ii) a plurality of point codes that correspond to a plurality of originating central offices, and the database being operative to identify telephone calls to on-line computer data services;

a data trunk for connecting the originating central office and the terminating central office, the data trunk being dedicated exclusively for carrying data transmissions; and

a circuit-switch at the terminating central office, the circuit switch being operative to connect the data trunk with the on-line data services.

50.¹⁵⁹ (New) The system of claim 49, wherein the database is operative to identify telephone calls to on-line computer data services in response to an advanced intelligent network query.

51.¹⁶⁰ (New) The system of claim 49, wherein the database is further operative to identify the data trunk for connecting the originating central office and the terminating central office.

52.¹⁶¹ (New) The system of claim 49, wherein the database is further operative to identify the data trunk for connecting the originating central office and the terminating central office by indexing a dialed telephone number and a point code identifying the originating central office in the routing table.

53.¹⁶² (New) The system of claim 49, wherein the circuit-switch consolidates access to on-line data services within a local access and transport area (LATA).

54.¹⁶³ (New) The system of claim 49, further comprising a primary rate interface for connecting the circuit-switch with the on-line data services.

55.¹⁶⁴ (New) The system of claim 49, further comprising a T1/DS1 line for connecting the circuit-switch with the on-line data services.

56.¹⁶⁵ (New) The system of claim 49, wherein the data trunk comprises a T1 trunk line.

57.¹⁶⁶ (New) The system of claim 49, wherein the circuit-switch is dedicated to receive only calls to on-line data services.

58.¹⁶⁷ (New) A network for routing telephone calls directed to on-line computer data services from an originating central office to a terminating central office, the network comprising:

a database in communication with the originating central office, the database including a routing table that includes: (i) a plurality of telephone numbers associated with dial-up access lines to on-line data services; and (ii) a plurality of trunk route identifiers corresponding to a plurality of trunk routes for connecting a plurality of originating central offices with the terminating central office, and the database being operative to identify telephone calls to on-line computer data services;

a data trunk for connecting the originating central office and the terminating central office, the data trunk being dedicated exclusively for carrying data transmissions; and

a circuit-switch at the terminating central office, the circuit switch being operative to connect the data trunk with the on-line data services.

59. (New) The network of claim 58, wherein the database is operative to identify telephone calls to on-line computer data services in response to an advanced intelligent network query.

60. (New) The system of claim 58, wherein the database is further operative to identify the data trunk for connecting the originating central office and the terminating central office.

61. (New) The system of claim 58, wherein the database is further operative to identify the data trunk for connecting the originating central office and the terminating central office by indexing a dialed telephone number and a trunk route identifier in the routing table.

62. (New) The system of claim 58, wherein the circuit-switch consolidates access to on-line data services within a local access and transport area (LATA).

63. (New) The system of claim 58, further comprising a primary rate interface for connecting the circuit-switch with the on-line data services.

64. (New) The system of claim 58, further comprising a T1/DS1 line for connecting the circuit-switch with the on-line data services.

65. (New) The system of claim 58, wherein the data trunk comprises a T1 trunk line.

66. (New) The system of claim 58, wherein the circuit-switch is dedicated to receive only calls to on-line data services.
